

**REMARKS**

Reconsideration is requested.

Claims 1-20 are pending.

Upon entry of the present Amendment, claims 1, 2 and 21-38 will be pending.

The details of claims 5 and 6 have been added to claim 1, without prejudice, to advance prosecution. The dye of the specific embodiment of Example 4 of the application has also been recited in new claims 26, 27, 33, 34 and 38. The new claims 21-38 find support throughout the specification, including the originally-filed claims. Claim 21-27 find support, for example, in the originally-filed claims as well as the disclosure of, for example, ¶[0051] of the U.S. Patent Office published version of the specification (i.e., US20040221888 A1). Claim 28-35 containing the features of chemical treatment and its immersion duration find support, for example, on page 13, line 22 to page 14, line 5 and page 14, lines 17-25 of the present specification. No new matter has been added. The present Amendment does not raise new issues requiring further search and/or consideration. The present Amendment does not raise the issue of new matter. Entry of the present Amendment will, at a minimum, reduce the issues for appeal, as further described below. Entry of the present Amendment is requested.

The Section 102 rejections of claims 1-4 and 7 over Lupo (U.S. Patent No. 5,885,368) and Yoshikawa (PGPub 20020040728) will be moot upon entry of the present Amendment. Entry of the present Amendment will therefore at least reduce these issues for appeal. Entry of the present Amendment and withdrawal of the rejections are requested.

The Section 103 rejection of claims 5-6 and 8-9 over Lupo in view of Andriessen (WO2004/025748) and the Section 103 rejection of claims 5-6 and 8-9 over Yoshikawa in view of Andriessen will be moot upon entry of the present Amendment.

Claims 1 and 2 are patentable over Lupo and Yoshikawa individually as the claims include the details of now canceled claims 5 and 6, which the Examiner found patentable over Lupo and Yoshikawa individually.

Claims 1 and 2, and claims reciting the dye of the specific embodiment of Example 4 of the application, are further believed to be patentable over the combinations of Lupo or Yoshikawa with Andriessen based on the unexpected advantages demonstrated in Examples 2-6 and Comparative Examples 3 and 4 of the present specification.

Claims 21-38 are submitted to be patentable over the cited art as there is no teaching or suggestion in the cited art to use light radiation of the dye sensitizer adsorbed porous semiconductor layer to improve the photoelectric conversion efficiency according to the presently disclosed invention.

Entry of the present Amendment and withdrawal of the Section 103 rejections are requested.

The claims are submitted to be in condition for allowance and a Notice to that effect is requested. The Examiner is requested to contact the undersigned, preferably by telephone, in the event anything further is required to place the present application in condition for allowance.

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AMENDMENT AFTER FINAL REJECTION  
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Respectfully submitted,

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